

Art Unit: 2852

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) An electrical connector, comprising:

a housing body having a tubular plugging face for plugging to a mating connector,

said tubular plugging face including a square tubular solid portion having a substantially rectangular section in a plane perpendicular to said plugging direction and a cylindrical solid portion having a ~~circular~~ an annular section in said plane,

said rectangular section having a height and a width, said height being smaller than said width,

said ~~circular~~ annular section having ~~[[a]]~~ an outside diameter greater than ~~[[a]]~~ said height of but smaller than ~~[[a]]~~ said width of said rectangular section and overlapping a central portion of said rectangular section in said plane; and

at least one key or key groove provided on or in said cylindrical portion for preventing a plugging error to said mating connector.

2. (previously presented) The electrical connector according to claim 1, wherein said tubular plugging face includes at least one additional key or key groove provided on or in said square tubular portion.

3. (previously presented) The electrical connector according to claim 1 or 2, wherein said electrical connector is a plug connector having a plugging projection section,

said tubular plugging face is provided on an outer surface of said plugging projection section, and

said key groove provided in an outer surface of said cylindrical portion.

4. (previously presented) The electrical connector according to claim 1 or 2, wherein said electrical connector is a receptacle connector having a plugging cavity section,

said tubular plugging face is provided on an inner surface of said plugging cavity section, and

said key is provided on an inner surface of said cylindrical portion.

5. (original) The electrical connector according to claim 1 or 2, wherein said cylindrical portion accommodates a coaxial terminal which is concentric with said cylindrical portion.

6. (original) The electrical connector according to claim 5, wherein said coaxial terminal comprises a cylindrical outer conductor and a projection extending in a plugging direction of said outer conductor, wherein a groove for receiving said projection is provided in a coaxial terminal of said mating connector.

7. (previously presented) The electrical connector according to claim 3, wherein said plug connector comprises at least one flexible lock arm provided outside said cylindrical portion but inside said square tubular portion, extending in said plugging direction, and having a lock engagement claw at a front end thereof.

8. (original) The electrical connector according to claim 7, wherein said cylindrical portion accommodates a coaxial terminal which is concentric with said cylindrical portion and said square tubular portion accommodates a

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signal terminal between cylindrical portion and said
flexible lock arm.